

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"20050127485".pn.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 21:38
L2	3226	(257/99).CCLS.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/14 21:38
L3	698	L2 and (bump solder near2 ball flip )	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 21:38
L4	187	L3 and cavity	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 21:38
L5	62	("3774086"   "3875473"   "4152624" "4179619"   "5040868"   "5043716" "5177593"   "5266817"   "5298768" "5404282"   "5535230"   "5798536" "5813753").PN. OR ("6274890"). URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/09/14 21:38
L6	6	("3821775"   "5534718"   "6274890" "6495861"   "6774406").PN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/09/14 21:38
L7	20	("6576930"   "6624491").PN. OR ("6774406").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/09/14 21:38
L8	3601	(257/778).CCLS.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/14 21:38
L9	36	L8 and L2	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 21:38
L10	9	("5696389"   "5914501"   "6078064" "6307218"   "6333522"   "6380564" "6455878"   "6614172"   "6650018").PN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/09/14 21:38

L11	8	("5557115"   "5998925"   "6054716"   "6121637"   "6445011").PN. OR ("6713877").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/09/14 21:38
L12	14	("5557115"   "5998925"   "6054716"   "6121637").PN. OR ("6445011").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/09/14 21:38
L13	8	L8 and LED with cavity	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 21:38
L14	65	(LED light near1 emitting near1 diode light near2 diode) and cavity and (bump solder near2 ball flip )	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 21:38
L15	3917	(LED light near1 emitting near1 diode light near2 diode) and cavity	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 21:38
L16	0	(LED light near1 emitting near1 diode light near2 diode) and cavity and packg\$3	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 21:38
L17	396	(LED light near1 emitting near1 diode light near2 diode) and cavity and pack \$6	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 21:38
L18	2	"20050127485".pn.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 21:38
L19	3226	(257/99).CCLS.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/14 21:38
L20	698	L19 and (bump solder near2 ball flip )	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 21:38
L21	187	L20 and cavity	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 21:38
L22	62	("3774086"   "3875473"   "4152624"   "4179619"   "5040868"   "5043716"   "5177593"   "5266817"   "5298768"   "5404282"   "5535230"   "5798536"   "5813753").PN. OR ("6274890").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/09/14 21:38

L23	6	("3821775"   "5534718"   "6274890"   "6495861"   "6774406").PN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/09/14 21:38
L24	20	("6576930"   "6624491").PN. OR ("6774406").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/09/14 21:38
L25	3601	(257/778).CCLS.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/14 21:38
L26	36	L25 and L19	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 21:38
L27	9	("5696389"   "5914501"   "6078064"   "6307218"   "6333522"   "6380564"   "6455878"   "6614172"   "6650018").PN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/09/14 21:38
L28	8	("5557115"   "5998925"   "6054716"   "6121637"   "6445011").PN. OR ("6713877").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/09/14 21:38
L29	14	("5557115"   "5998925"   "6054716"   "6121637").PN. OR ("6445011"). URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/09/14 21:38
L30	8	L25 and LED with cavity	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 21:38
L31	65	(LED light near1 emitting near1 diode light near2 diode) and cavity and (bump solder near2 ball flip )	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 21:38
L32	3917	(LED light near1 emitting near1 diode light near2 diode) and cavity	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 21:38
L33	0	(LED light near1 emitting near1 diode light near2 diode) and cavity and packg\$3	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 21:38
L34	396	(LED light near1 emitting near1 diode light near2 diode) and cavity and pack \$6	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 21:38
L35	210	(diode and cavity and (lead reflective) and (electrode contact bump ball)). clm.	US-PGRUB	OR	ON	2008/09/14 22:15
L36	3569	(257/678).CCLS.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/14 22:20

L37	0	("36anddiodewithcavityand (insulatingpassivation) withreflectivewith (filmlayerelectrodelead)").PN.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/09/14 22:21
L38	1	36 and (diode with cavity) and (reflective with (electrode lead film layer) with (passivation insulating))	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 22:22
L39	2	36 and (diode and cavity) and (reflective with (electrode lead film layer) with (passivation insulating))	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 22:22
L40	2	36 and (led and cavity) and (reflective with (electrode lead film layer) with (passivation insulating))	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 22:23
L41	4	36 and (led and cavity) and (reflect\$3 with (electrode lead film layer) with (passivation insulating))	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/09/14 22:23
S1	2	"20050127485".pn.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 10:45
S2	2691	(257/99).CCLS.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/26 10:45
S3	492	S2 and (bump solder near2 ball flip )	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 11:03
S4	126	S3 and cavity	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 10:46
S5	46	("3774086"   "3875473"   "4152624"   "4179619"   "5040868"   "5043716"   "5177593"   "5266817"   "5298768"   "5404282"   "5535230"   "5798536"   "5813753").PN. OR ("6274890"). URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2007/03/26 10:47

S6	6	("3821775"   "5534718"   "6274890"   "6495861"   "6774406").PN.	US-PGRUB; USPAT; USOCR	OR	ON	2007/03/26 10:49
S7	13	("6576930"   "6624491").PN. OR ("6774406").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2007/03/26 10:54
S8	3136	(257/778).CCLS.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/26 11:01
S9	27	S8 and S2	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 10:54
S10	9	("5696389"   "5914501"   "6078064"   "6307218"   "6333522"   "6380564"   "6455878"   "6614172"   "6650018").PN.	US-PGRUB; USPAT; USOCR	OR	ON	2007/03/26 10:55
S11	8	("5557115"   "5998925"   "6054716"   "6121637"   "6445011").PN. OR ("6713877").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2007/03/26 10:59
S12	11	("5557115"   "5998925"   "6054716"   "6121637").PN. OR ("6445011"). URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2007/03/26 11:00
S13	7	S8 and LED with cavity	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 11:01
S14	35	(LED light near1 emitting near1 diode light near2 diode) and cavity and (bump solder near2 ball flip )	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 11:06
S15	2984	(LED light near1 emitting near1 diode light near2 diode) and cavity	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 11:06
S16	0	(LED light near1 emitting near1 diode light near2 diode) and cavity and packg\$3	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 11:06
S17	268	(LED light near1 emitting near1 diode light near2 diode) and cavity and pack \$6	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 11:06
S18	2	"20050127485".pn.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/16 21:22

S19	3038	(257/99).CCLS.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/16 21:22
S20	624	S19 and (bump solder near2 ball flip )	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/16 21:22
S21	168	S20 and cavity	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/16 21:22
S22	55	("3774086"   "3875473"   "4152624" "4179619"   "5040868"   "5043716" "5177593"   "5266817"   "5298768" "5404282"   "5535230"   "5798536" "5813753").PN. OR ("6274890"). URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/03/16 21:22
S23	6	("3821775"   "5534718"   "6274890" "6495861"   "6774406").PN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/03/16 21:22
S24	19	("6576930"   "6624491").PN. OR ("6774406").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/03/16 21:22
S25	3457	(257/778).CCLS.	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/16 21:22
S26	34	S25 and S19	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/16 21:22
S27	9	("5696389"   "5914501"   "6078064" "6307218"   "6333522"   "6380564" "6455878"   "6614172"   "6650018").PN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/03/16 21:22
S28	8	("5557115"   "5998925"   "6054716" "6121637"   "6445011").PN. OR ("6713877").URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/03/16 21:22
S29	13	("5557115"   "5998925"   "6054716" "6121637").PN. OR ("6445011"). URPN.	US-PGRUB; USPAT; USOCR	OR	ON	2008/03/16 21:22
S30	8	S25 and LED with cavity	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/16 21:22

S31	55	(LED light near1 emitting near1 diode light near2 diode) and cavity and (bump solder near2 ball flip )	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/16 21:22
S32	3482	(LED light near1 emitting near1 diode light near2 diode) and cavity	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/16 21:22
S33	0	(LED light near1 emitting near1 diode light near2 diode) and cavity and packg\$3	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/16 21:22
S34	349	(LED light near1 emitting near1 diode light near2 diode) and cavity and pack \$6	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/16 21:22

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